THRIVING ON INNOVATION

LAGUNA TOOLS

Platinum Series Tablesaw
w/ Dovetail Mech Left-tilt Manual

17101 Murphy Avenue, Irvine, CA 92614 www.lagunatools.com 800.234.1976

Dear Woodworker:

Thank you for your purchase and welcome to the Laguna Tools group of discriminating woodworkers. I understand that you have a choice of where to purchase your machines and appreciate the confidence you have in our products.

Every machine sold by Laguna Tools has been carefully designed and well thought-through from a woodworker's perspective. I cut on our bandsaws, lathes, table saws and combination machines. Through my hands-on experience, I work hard to make our machines better. I strive to give you machines that inspire you to create works of art. Machines that are a joy to run and work on. Machines that encourage your performance.

Today, we offer high-performance machines with innovative solutions that meet the needs of woodworkers and their ever-evolving craft.

I started Laguna Tools as a woodworker, I still am.

Thank you again for becoming a Laguna Tools customer.

Torben Helshoj

President and Founder - Laguna Tools

Thriving on Innovation

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Safety Rules

As with all machinery there are certain hazards involved with the operation and use. Using it with caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. If you have any questions relative to the installation and operation, do not use the equipment until you have contacted your supplying distributor.

Read carefully before operating the machine:

1. **Keep the working area clean and be sure adequate lighting is available.**
2. **Do not wear loose clothing, gloves, bracelets, necklaces or ornaments. Wear face, eye, respiratory and body protection devices as indicated for the operation or environment.**
3. **Be sure that the power is disconnected from the machine before tools are serviced or an attachment is to be fitted or removed.**
4. **Never leave the machine with the power on.**
5. **Do not use dull, gummy or cracked cutting tools.**
6. **Be sure that the keys and adjusting wrenches have been removed and all the nuts and bolts are secured.**

Limited Warranty

New woodworking machines sold by Laguna Tools carry a one-year warranty from the date of shipping. Laguna Tools guarantees all new machines sold to be free of manufacturers' defective workmanship, parts, and materials.

We will repair or replace, without charge, any parts determined by Laguna Tools, Inc. to be a manufacturer's defect. We require the defective item/part to be returned to Laguna Tools. In the event the item/part is determined to be damaged due to lack of maintenance, cleaning or misuse/abuse, the customer will be responsible for the cost to replace the item/part, plus all related shipping charges.

This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, lack of or inadequate dust collection, misuse/abuse or damage caused when repair or alterations have been made or attempted by others.

Laguna Tools, Inc. is not responsible for additional tools or modifications sold or performed (other than from/by Laguna Tools, Inc.) on any Laguna Tools, Inc. woodworking machine. Warranty may be voided upon the addition of such noted tools and/or modifications, determined on a case-by-case basis.

Normal user alignment, adjustment, tuning and machine settings are not covered by this warranty. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided by the manufacturer.

Parts, under warranty, are shipped at Laguna Tools, Inc's cost either by common carrier, FedEx Ground service or similar method.

Technical support to install replacement parts is primarily provided by phone, fax, or e-mail. The labor required to install replacement parts is the responsibility of the user.

Laguna Tools is not responsible for damage or loss caused by a freight company or other circumstances not in our control.

Only new machines sold to the original owner are covered by this warranty.

For warranty repair information, call 1-800-332-4094.

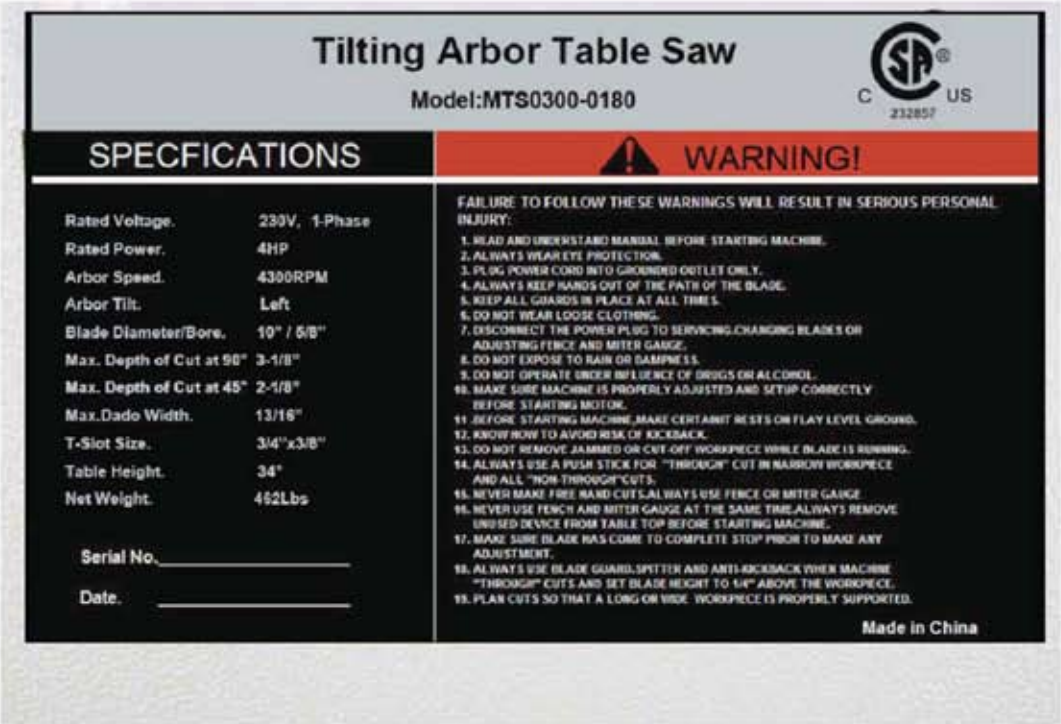
Noise Emission

Notes concerning noise emission :
Given that there exists a relationship between noise level and exposure times, it is not possible to precisely determine the need for supplementary precautions. The factors affecting the true level of exposure to operators are clearly the amount of time exposed, the characteristics of the working environment and other sources of dust and noise, etc. For example, adjacent machines in other words the level of ambient noise. It is possible that exposure level limits will vary from country to country.

Specification Sheet

Blade	10" max x 5/8" bore
Max cut height 10” blade	3 1/8" [2 1/8" at 45 deg]
Dado capacity	13/16"
Main motor	4HP Single Phase 220 volts 4300 rpm
Breaker 20	amp
Electrical cable	Supplied.
Cast iron [ground] table size	40" X 27"
Table height	34"
Miter slot	2 Miter Slots: 3/8" x 3/4" T-Slot
Extension table pressed steel with ribs and legs	33" x 27"
Cutting width on rip fence	50"
Weight	**462Lbs**
Dust port	4"
Large throat plate with levelling screws	Yes
Blade guard	Yes

Serial and Data Plate


Tilting Arbor Table Saw
Model:MTS0300-0180
C US
232857
SPECFICATIONS
Rated Voltage. 230V, 1-Phase
Rated Power. 4HP
Arbor Speed. 4300RPM
Arbor Tilt. Left
Blade Diameter/Bore. 10" / 5/8"
Max. Depth of Cut at 90° 3-1/8"
Max. Depth of Cut at 45° 2-1/8"
Max.Dado Width. 13/16"
T-Slot Size. 3/4"x3/8"
Table Height. 34"
Net Weight. 462Lbs
Serial No._____
Date. _____
WARNING!
FAILURE TO FOLLOW THESE WARNINGS WILL RESULT IN SERIOUS PERSONAL INJURY:
1. READ AND UNDERSTAND MANUAL BEFORE STARTING MACHINE.
2. ALWAYS WEAR EYE PROTECTION.
3. PLUG POWER CORD INTO GROUNDED OUTLET ONLY.
4. ALWAYS KEEP HANDS OUT OF THE PATH OF THE BLADE.
5. KEEP ALL GUARDS IN PLACE AT ALL TIMES.
6. DO NOT WEAR LOOSE CLOTHING.
7. DISCONNECT THE POWER PLUG TO SERVICING,CHANGING BLADES OR ADJUSTING FENCE AND MITER GAUGE.
8. DO NOT EXPOSE TO RAIN OR DAMPNESS.
9. DO NOT OPERATE UNDER INFLUENCE OF DRUGS OR ALCOHOL.
10. MAKE SURE MACHINE IS PROPERLY ADJUSTED AND SETUP CORRECTLY BEFORE STARTING MOTOR.
11. BEFORE STARTING MACHINE,MAKE CERTAINIT RESTS ON FLAY LEVEL GROUND.
12. KNOW HOW TO AVOID RISK OF KICKBACK.
13. DO NOT REMOVE JAMMED OR CUT-OFF WORKPIECE WHILE BLADE IS RUNNING.
14. ALWAYS USE A PUSH STICK FOR "THROUGH" CUT IN NARROW WORKPIECE AND ALL "NON THROUGH"CUTS.
15. NEVER MAKE FREE HAND CUTS.ALWAYS USE FENCE OR MITER GAUGE
16. NEVER USE FENCH AND MITER GAUGE AT THE SAME TIME.ALWAYS REMOVE UNUSED DEVICE FROM TABLE TOP BEFORE STARTING MACHINE.
17. MAKE SURE BLADE HAS COME TO COMPLETE STOP PRIOR TO MAKE ANY ADJUSTMENT.
18. ALWAYS USE BLADE GUARD, SPITTER AND ANTI-KICKBACK WHEN MACHINE "THROUGH" CUTS AND SET BLADE HEIGHT TO 1/4" ABOVE THE WORKPIECE.
19. PLAN CUTS SO THAT A LONG OR WIDE WORKPIECE IS PROPERBLY SUPPORTED.
Made in China

Receiving your Machine

Note: It is probable that your machine will be delivered by a third party. Before you unpack your new machine, you will need to first inspect the packing, invoice and shipping documents supplied by the driver.
Ensure that there is no visible damage to the packing or on the machine. You need to do this prior to the driver leaving. All damage must be noted on the delivery documents and signed by you and the delivery driver. You must then contact the seller [Laguna Tools] within 24 hours.

Introduction to Table Saws

This Table saw is designed to give you years of safe service. Read this owners manual in its entirety before assembly or use.

Parts of the Table saw.

The table saw does not have many parts. The major parts are discussed in this manual. If you are not familiar with the table saw, take the time to read this section and become familiar with the machine.

1. Body
2. Dust collection port
3. Angle adjustment handle
4. Table
5. Guard
6. Fence

7. Extension table
8. Extension table support legs
9. Blade height adjustment handle
10. Electrical box and on, off switches

Identification.
There is a plate at the back of the machine listing all the manufacturing data including the serial number, model, etc.

Cabinet
The cabinet has a large footprint and is a welded construction manufactured from heavy gauge steel plate. The cabinet houses all the parts of the machine and the heavy construction ensures that the saw is stable. This weight also helps to absorb any vibration that is produced during cutting.

Table
The table is manufactured from cast iron [cast iron is a live material and will move over time] and is provided with a leveling system to ensure that your table remains flat during the life of the machine. This system allows you to stress the table and take out any warpage that occurs over time. The table is attached to the cabinet.

Extension Table.
An extension table with adjustable support legs is provided to increase the range of jobs that can be produced.

Trunion
The trunion assembly is attached to the cabinet. It is of a heavy cast-iron construction. It houses the motor, saw spindle, riving knife, tilt mechanism, and vertical movement adjustment. This is the heart of your saw.
The advantage of attaching the trunion to the case rather than to the table is that its weight is then supported by the cabinet and will not twist or distort the table.

Electrical System
The electrical system consists of an electrical motor, start switch, stop switch and contactor. A cable is supplied but no plug, as the type of plug will be dependent on your installation. If you require a longer cable than the one

supplied, the cable that is supplied can be replaced by connecting a new cable to the contactor box [see electrical connection].

Rip Fence.
The rip fence is a "T" square design that gives superior rigidity and is adjustable to be parallel to the blade.

Dust Collection.
The dust collection port is located at the front of the machine and is 4" diameter. It connects to the bottom of the trunnion assembly and collects the sawdust as it leaves the blade. You will need a dust collection system with a minimum of 1000 cubic feet per minute.

Throat Plate.
Two throat plates are supplied with the machine. One for Dado and a standard throat plate. They are adjustable for level to the table.

Miter Gauge.
The miter gauge is adjustable for angle and has quick action for 90 and 45 degrees. The fence is movable in relation to the body so that you can adjust it to suit the job. A movable stop is provided for repetitive jobs.

Where to Locate your Machine.
Before you remove your machine from the pallet, select the area where you will use your machine. There are no hard and fast rules for its location, but below are a few guidelines:
1. There should be an area surrounding the machine suitable for the length of wood that you will be cutting.
2. Adequate lighting. The better the lighting the more accurate and safely you will be able to work
3. Solid floor. You should select a solid flat floor, preferably concrete or something similar.
4. Position close to a power source and dust collection.
5. Allow an area for the storage of blanks and cut jobs.

Unpacking your Machine.

To unpack your machine you will need tin snips and knife.

1. Using the tin snips cut the banding that is securing the packing box [If so fitted]. **WARNING: EXTREME CAUTION MUST BE USED BECAUSE THE BANDING WILL SPRING AND COULD CAUSE INJURY.**

2. Dismantle the box and lift the box off the pallet.

3.Using a knife, cut the plastic wrap.

4. With two or more people, move the machine so that the base of the machine is over the edge of the pallet. Tilt the machine away from the pallet so that the base of the machine touches the floor, slide the pallet from under the machine and then move the machine to the vertical position so that it is completely resting on the floor

Note: The machine is heavy, ensure that you have a sufficient number of people.

Note: If you have any doubt about the described procedure seek professional assistance. Do not attempt any procedure that you feel is unsafe or that you do not have the physical capability of achieving.

Note: The switch box is attached to the machine by cable. Care must be taken while moving the machine off the pallet so that no strain is placed on the cable.

What you will receive with the machine.

Dado throat plate

Tool kit

Handle

Handle lock screw

Miter gauge

Cast iron extension tables

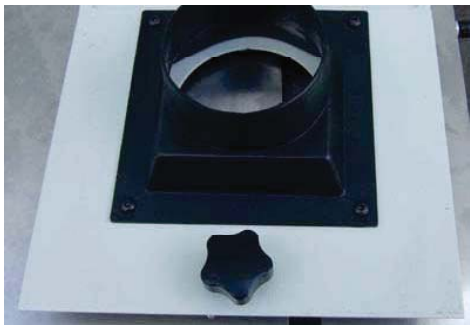
Extension table

Fence

Extension table parts

Extension table parts

Dust extractor panel



Cover

Extension table rails

Manual

Guard

Assembly and set up

Cleaning the machine.
Remove the rust protection grease with WD 40 or similar solvent
It is important that you remove all the grease and re lubricate with a Teflon bases lubricant as Teflon has less tendency to attract sawdust and cause clogging. You should also wax the table as this also protects the cast iron from rust.

Assembling the side cast iron extensions tables.
1. Attach the side table to the main table with the socket head screws supplied. Do not over tighten them as the tables have to be adjusted to level with the main table.
2. Place a straight edge across the 2 extension tables and the main table.
3. Adjust the tables up /down so that they are level with the main table and fully tighten the screws.
Note:- Never hit any of the tables with metal as they are cast iron and will break. Use only a soft mallet such as rubber, plastic or wood.

4. After fully tightening the screws, re check that no movement has taken place and that all the tables are level.

Remove the motor transport bracket.

This bracket must be removed or the trunnion will not move vertically or angular

Warning
This Yellow Motor Bracket is temporarily mounted for Shipping safety only.
Please TAKE OFF
BEFORE ANY OPERATIONS!

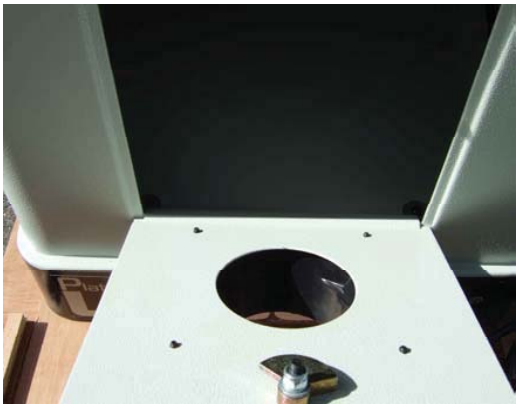
Fitting the motor cover

The motor cover drops onto two hinge pins.

Fit the dust extraction plate

The plate drops over a lip on the machine and is held in place with a twist knob. Fit a 4" dust extraction hose between the machine and your dust extractor.

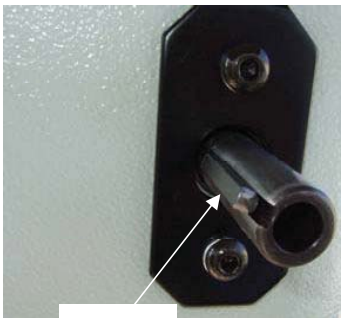
Note:- You will need a dust collection system with a minimum of 1000 cubic feet per minuet capacity. The stron 17 the dust collection the better as the machine is capable of producing a lot of waste.



Fitting the angular movement handle.

1. Fit the key into the shaft.
2. Fit the handle onto the shaft ensuring that the key is in line with the key way.
3. Clamp the handle onto the shaft with the allen screw.
4. Fit the lock screw to the centre of the handle.

Note:- You may have to tap the handle onto the shaft with a soft mallet.



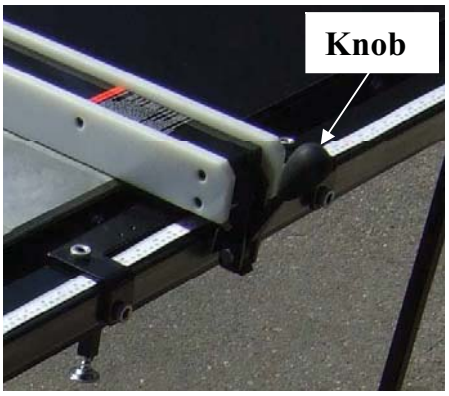
Fitting the extension table.

1. Fit the height adjusting screws to the support legs.
2. Fit the legs to the extension table.
3. Fit the extension table to the main table but do not fully tighten the screws.

Fitting the fence rails.

1. Install the angle with the tube to the in feed side of the machine. Use only the two centre hex bolts. Adjust the rail up/down to make sure the edge of the rear rail is flush with the table surface. Fully tighten the bolts.
2. Fit the outer bolts tight but check that the rail is not bent as the 2 extension tables may not be perfectly in line on the edge with the main table.
3. Fit the U shaped rail to the out feed side of the machine with the hex bolts. Leave the bolts snug but not fully tightened.
4. Fit the rail bolts to the extension table but do not tighten.

5. Using a straight edge adjust the extension table level with the back edge of the main cast iron table and tighten the bolts that clamp the extension table to the machine table.
6. Adjusting the extension table legs adjusting screws, adjust the extension table so that it is parallel with the main table. A straight edge on the main table that overhangs onto the extension table is the best way to check that the extension table is parallel.
7. Tighten the extension table to main table clamping screws.
8. Tighten the rail to extension table screws. Do not over tighten as this could distort the extension table.
9. Thread the handle knob onto the fence locking handle.

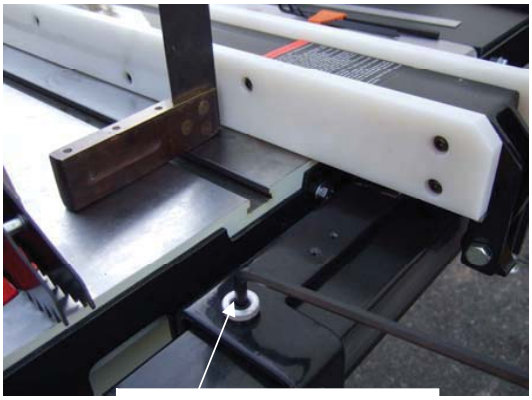


Clamp plate

Fitting and adjusting the fence.

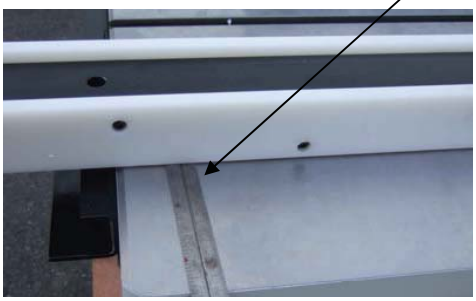
1. Place the fence onto the guide tube. Ensure that the clamp plate is fitted on top of the tube.
2. To adjust the fence vertically, place a 1/16" [approx] spacer under the fence on the table at both ends of the fence. Adjust the vertical adjusting screws so that they just touch the tube. Adjust both adjusting screws

to ensure that the fence is kept square with the table. Check with a square and adjust if necessary. Slide the fence along the complete length of the tables and extension tables to check for smooth running of the fence.

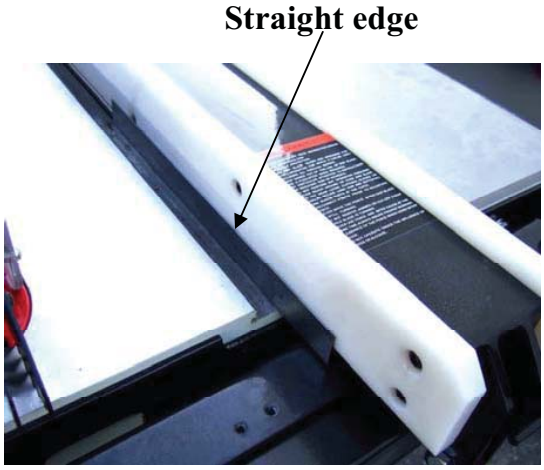


Vertical adjusting screws

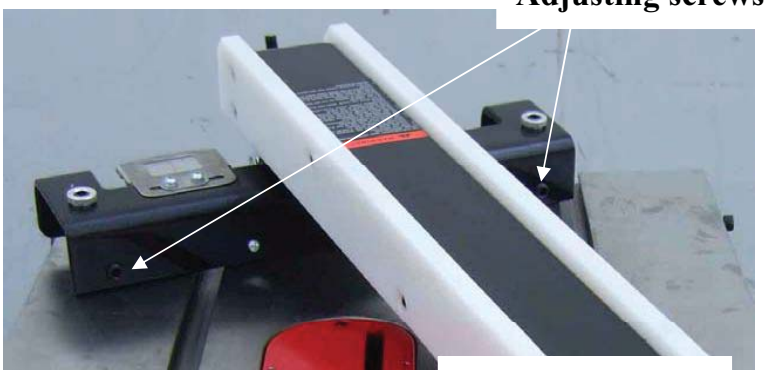
Spacer



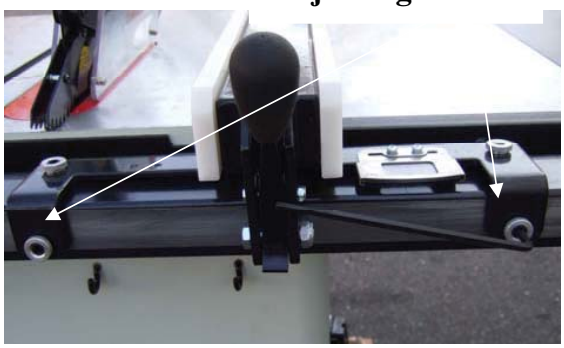
3. To adjust the fence square to the table place a straight edge into the miter slot.
4. With the clamp handle in the down [Clamped] position and check if the fence is parallel to the miter slot by using the straight edge.
5. If adjustment is required, Release the clamping handle [up position] and adjust the adjusting screws with an allen key.



Note:- small movements of the screws will have a large reaction over the length of the fence so small adjustments are better than large ones.
6.Reclamp the fence and re check the fence to the miter slot. Repate the procedure if required.



7. To ensure that the fence runs smoothly along the guide tube, release the clamping handle and pull / push the fence along the complete length of the guide tube. If there are any tight spots or there is excessive slop between the fence and the guide tube, adjust the front adjusting screws.



8. Fit the end caps to the tube.
9. Before fitting the measurement tape to the guide tube, clean the top surface of the guide tube with a solvent to remove any trace of dirt or grease.

10. Adjust the curser holding plate so that it is approx in the centre of the adjusting slots.
11. Fit a saw blade to the arbour of the machine [covered later in the manual] and raise the blade above the table.
12. Push the fence so that it just touches the side of the blade [blade stationary] and clamp the fence in position.
13. With the tape lined up with the curser line mark the tube with a pencil at the 2" position.
14. Remove the fence and line up the tape with the 2" mark that you made. It is far better to conduct this next part with 2 people one at each end of the tape. Remove the backing material in short sections and press the tape onto the tube, making sure that the tape is applied straight and even along the length of the tube.
15. Refit the fence to the tube and line up with the side of the blade as stated in **12**. Loosen the curser holding plate and adjust so that the curser is lined up with the 0 on the tape. Clamp the curser plate.

Fitting the electrical box.
The electrical box fits under the rail as shown with the mounting bolts.

Fitting a blade or dado to the machine.

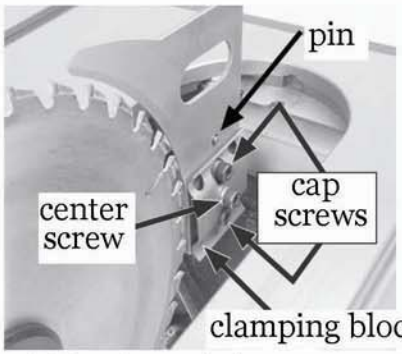
1. Using the wrench provided stop the spindle from turning and remove the clamping nut and clamping disc.

2. Fit blade or dado and reverse the procedure.

Fitting the riving knife and blade guard.

1. don't loosen the cap screws & center screw.

2. Slide the riving knife between the clamping block and the datum plate. fit the pin.



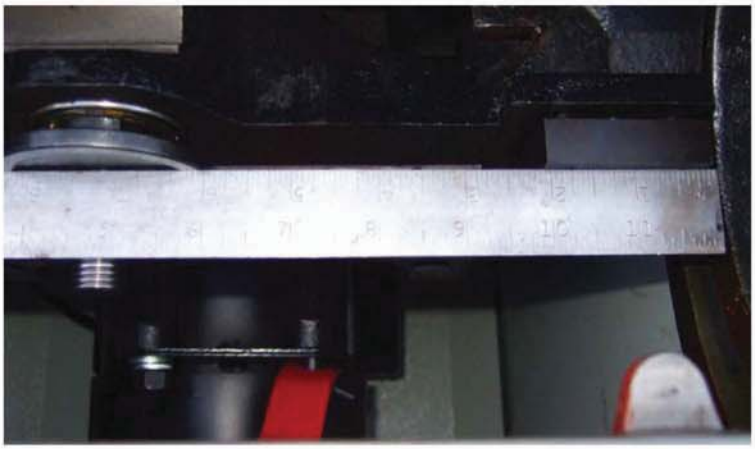
3· Kickback pawls have two status,in retum position&disabled,as Fig.

Adjusting the riving knife datum block.

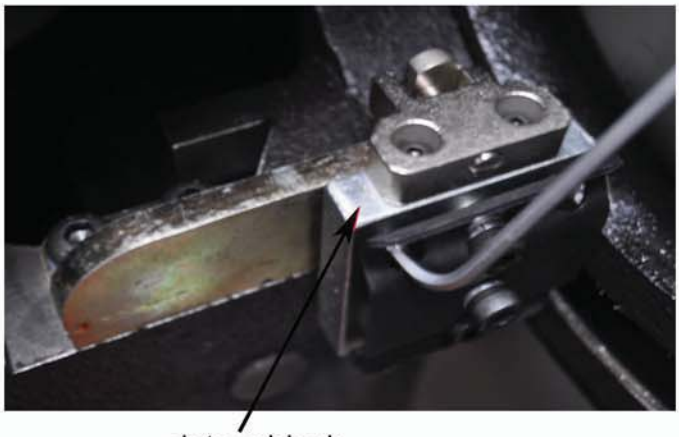
The riving knife datum block comes factory set but should adjustment be required adjust as follows.

1. Remove the blade and the riving knife clamping block.

2. Using a straight edge lined up on the blade back clamping disc, check the riving knife datum block is in line with the straight edge.



3. Adjust the position of the datum block with the jacking screws provided and re check..



Fitting the throat plate.

Two types of throat plate are supplied with the machine, dado and standard. Both use the same fixing and levelling system. To fit the plate to the machine, slide the two round head screws [under side of the throat plate] under the two slots on the machine. Clamp the throat plate to the machine with the socket head screw at the opposite end of the throat plate.

Adjusting the throat plate level with the table.

Note:- The throat plate comes factory set but should adjustment be required follow the below procedure.

Note:- All checks for level must be done with the throat plate clamped with the clamping screw.

The throat plate has levelling screws at both ends and along its length both sides.

Table throat plate fixing slot

1. To adjust the end of the throat plate that has the 2 round head screws, you will have to move the round head screws in conjunction with the jacking screw.

1.1. Remove the throat plate from the machine and loosen the lock nuts, move the screws the required amount, re tighten the lock nuts

1.3. Move the jacking screw.

1.4. Re assemble the throat plate into the machine and re clamp.

1.5. Re check with a straight edge and re adjust if required.

2. For the end of the throat plate that has the clamping screw uses the following procedure.

2.1. Remove the clamping screw.

2.2. Insert an allen key into the jacking screw.

2.3. Place a straight edge across the throat plate and the table.

2.4. While holding down both the throat plate and the straight plate adjust the jacking screw until the throat plate is level.

2.5. Re clamp the throat plate with the clamping screw and re check with the straight edge.

2.6. Re adjust if necessary.

3. Adjusting the side jacking screws

3.1. Place a straight edge across the throat plate and the table.

3.2. With an allen key move the jack screws in or out until level.

Note:- Make sure that the jacking screws and there mating faces on the machine are clean prior to adjusting the throat plat. If there is dirt, wood chips etc between the jacking screw and its mating face you will not get consistent results.

<u>Connecting the electrical supply.</u>

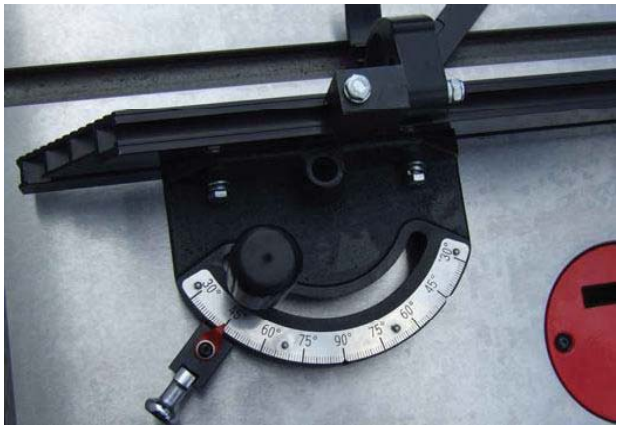
Note. **A qualified electrician must carry out the installation.**

Ensure that the main supply corresponds with that of the machine.

It is recommended that you use a 30-amp mains breaker.

Miter Gauge

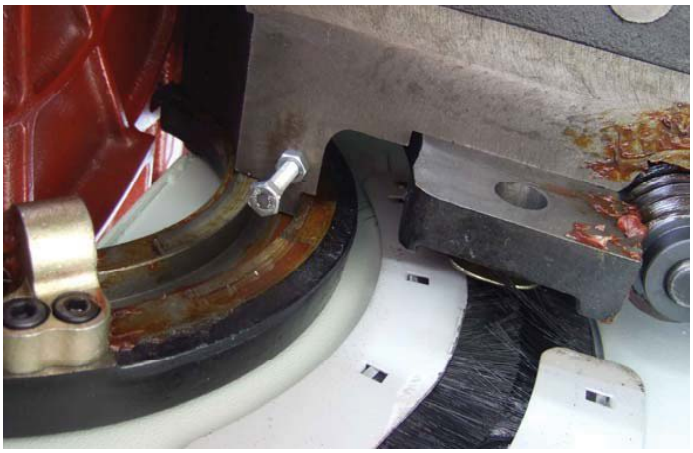
The miter gauge has an adjustable pointer; it also has a lock system that locks the miter gauge at 45 and 90 degree positions. The fence can be moved to different positions on the miter gauge to suit the job that you are doing. The fence is cut at 45 degrees at the end to enable the job to be supported close to the blade when cutting at 45 degrees.



To adjust the pointer, loosen the clamp screw, adjust the pointer and retighten the clamp screw.

To move the fence to a different position on the miter gauge, loosen the clamp bolts. Slide the fence to the required position and reclamp in position.

The miter stock has 2 adjustable blocks that can be adjusted to suit the width of the machine miter slots. Loosen the clamp screw adjust the 2 jacking screws and retighten the clamp screw.



Tilt Mechanism Stops

The tilt mechanism has adjustable stops for vertical and 45 degrees.

The machine comes factory-set but should adjustment be required, loosen the lock nut, adjust the stop screw and retighten the lock nut.

If you need a longer cable than that supplied on the machine you can connect a new cable into the internal power termination which is located inside the electrical box.
It is recommended that number 12 cable is used for installation up to 15'and installations 15' to 30' use number 10-gauge cable.

Note:- The machine may not be supplied with an electrical plug, as the type of plug will be dependent on the installation.

Before starting the machine

1. Read and understand the instruction manual before operating the saw.
2. If you are still not thoroughly familiar with the operation of the saw get advice from a qualified person.
3. Make sure the machine is properly grounded and that the wiring codes are followed.
4. Do not operate the machine while under the influence of drugs, alcohol, and medicine or if tired.
5. Always wear eye protection, safety glasses or a safety shield, and hearing protection.
6. Wear dust mask; long term exposure to the fine dust created by the saw is not healthy.
7. Remove your tie, rings, watch, and all jewellery. Roll up your sleeves and never ware loose clothing. You do not want anything to get caught in the saw.
8. Make sure that the guards are in place and use them at all times. The guards protect you from coming in contact with the blade.
9. Make sure that the saw blade teeth point in the correct direction.
10. Stop the machine before removing the scrap piece from the table.
11. Always keep your hands and fingers away from the blade.
12. Make sure that you use the proper size and type of blade.
13. Hold the work piece firmly against the table. Do not attempt to saw stock that does not have a flat surface facing down.
14. Use a push stick at the end of a cut. This is the most dangerous time because the cut is complete and the blade is exposed. Push sticks are commercially available.
15. Hold the wood firmly and feed it into the blade at a moderate speed.

16. Turn off the machine if you have to back the material out of an uncompleted or jammed cut.

Machine test

Now is the time to test the machine.
1. Check that the machine is clear of all tools and other loose objects.
2. Check that all the adjusting and locking handles are tight.
3. Check that there is no blade fitted, it is far safer to test the machine with out a blade fitted.
4. Start the machine by pressing the green start switch.
5. Saw arbor is now turning.
6. Now is the time to check that the safety switch is functioning correctly before you fit a blade.
7. With the machine running [no blade fitted] operate the red stop switch by pressing towards the machine. The motor should have the power removed and slow down.
8. If the safety switch fails to operate correctly do not use the machine until the fault has been corrected.

Before you cut any wood read the safety rules at the front of this manual

Maintenance and Troubleshooting

All tools and machines require regular maintenance and the table saw is no exception. This section details the general maintenance and care of your table saw. In general we recommend that you only use a Teflon based lubricant on the table saw. Regular oil attracts dust and dirt and the Teflon tends to dry and has fewer tendencies to accumulate dirt and saw dust on your machine .We also recommend that you wax the table to help prevent rust.

Weekly Maintanince

1. Check that all nuts and bolts are tight
2. Clean the machine and check that the dust hose is clear. Make sure that all moving parts are clean and free from sawdust and dirt.
3. Lubricate all moveing parts with a Teflon-based lubricant.
4. Wax the table and all non painted parts.

Drive Belt

The drive belts should last for many years [depending on the usage], but they need to be inspected regularly for cracks, cuts and general wear. If damage is found, replace both belts. Never replace only one belt, and only replace the belts with a matched pair.
To re-tension the belts, loosen the lock nut. The weight of the motor should put enough tension on the belts. Then tighten the lock nut. The belts come factory set but after about 8 hours of use the belts could need to be re-tensioned as they will have bedded into the “V” grooves.

Table Insert

The table insert [throat plate] is made of a soft material and is designed not to damage the blade should they come in contact. If the blade slot becomes too wide or the insert becomes damaged by the blade, it should be replaced.

Bearings

All bearings are sealed for life and do not require any maintenance. If a bearing becomes faulty, replace it.

Rust

The table saw is made from steel and cast iron. All non-painted surfaces will rust if not protected. It is recommended that the table be coated with wax. All

moving none painted surfaces should be lubricated / protected with a Teflon based lubricant.

Tilt Mechanism is Tight

1. Check that nothing is jamming the mechanism.
2. Check that the worm gear and screw are clean and lubricated.

Vertical Mechanism is Tight

1. Check that nothing is jamming the mechanism.
2. Check that the worm gear and screw are clean and lubricated.
3. Check that the guide plate is not jamming. Clean and relubricate. Ensue that you clean the whole guide plate by moving the saw arbor to be fully up and then fully down, cleaning the exposed part of the guide plate.
4. Inspect the guide plate and the bearing plate for wear and damage. If damaged or worn, replace.

Troubleshooting

Poor Cut

1. Dull blade. Change the blade.
2. Bent tooth. Change the blade.
3. Wrong type of blade for the job.

Saw will not Start

1. Check that the start switch is being depressed fully.
2. Check that the electrical power cord is plugged into the power outlet.
3. Check that the electrical supply is on [reset the breaker].
4. With the power disconnected from the machine, check that the wiring in the plug is correct. Check that the rubber insulation is stripped enough and is not causing a bad connection. Check that all the screws are tight.
5. With the power disconnected from the machine, check the wiring to the machine is correct. Check that the rubber insulation is stripped enough and is not causing a bad connection. Check that all the screws are tight.
6. Check that you have the correct power 220V, not 110V.
7. Check that the ground wire is wired correctly.

The Machine will not Stop

This is a very rare occurrence as the machine is designed to be fail-safe. However, if it should occur and you cannot fix the fault, seek professional assistance. The machine must be disconnected from the power and never run until the fault has been rectified.

1. Stop switch is faulty. Replace the stop switch.
2. Internal contactor is faulty. Replace the contactor.

Motor Tries to Start but will not Turn

1. With the power disconnected from the machine, try to turn the blade by hand. If the blade will not turn, check the reason for the jamming. A typical reason is that wood is jamming the blade.
2. Capacitor faulty. Replace the capacitor.
3. Motor faulty. Replace the motor.

Motor Overheats

The motor is designed to run very hot, but should it overheat, it has an internal terminal overload protector that will shut it down until the motor has cooled down and then it will reset automatically. If the motor overheats, wait until it has cooled down and restart. If the motor shuts down constantly, check for the reason. Typical reasons are dull blade, overfeeding the wood, motor cooling fan clogged or faulty, motor cooling fins are clogged or excessive ambient temperature.

Squeaking Noise

1. Check that the motor cooling fan is not contacting the fan cover.
2. Check the bearings.
3. Check the drive belt.

Blade Slows Down During a Cut

1. Loose drive belt. Re-tension the belt.
2. Dull blade. Replace the blade or have it resharpened.
3. Feeding the wood too fast. Slow down the feed rate.
4. Insufficient set on the teeth [wood nipping the blade]. Change the blade for a blade with the correct set.
5. Oil or dirt on the drive belt. Clean or replace the drive belts.
6. Fence not aligned correctly. Align fence.

Blade Overheats.

1. Dull blade. Change the blade or resharpen the blade.

2. Pitch is too small for the depth of cut. Change to a blade with the correct pitch.

4. Wood too hard for the selected blade. Change the blade.

Machine Vibrates

1. Machine not level on the floor. Relevel the machine ensuring that it has no movement.

2. Damaged drive belt. Replace both belts.

Poor Dust Collection

1. Check the capacity of the dust collection system. You need a minim of 1000 cubic feet per minute at the machine. The stronger the dust collection, the better.

2. Check that the dust hose is not blocked.

3. Check that the dust collector is not full.

Causes of the Blade Dulling

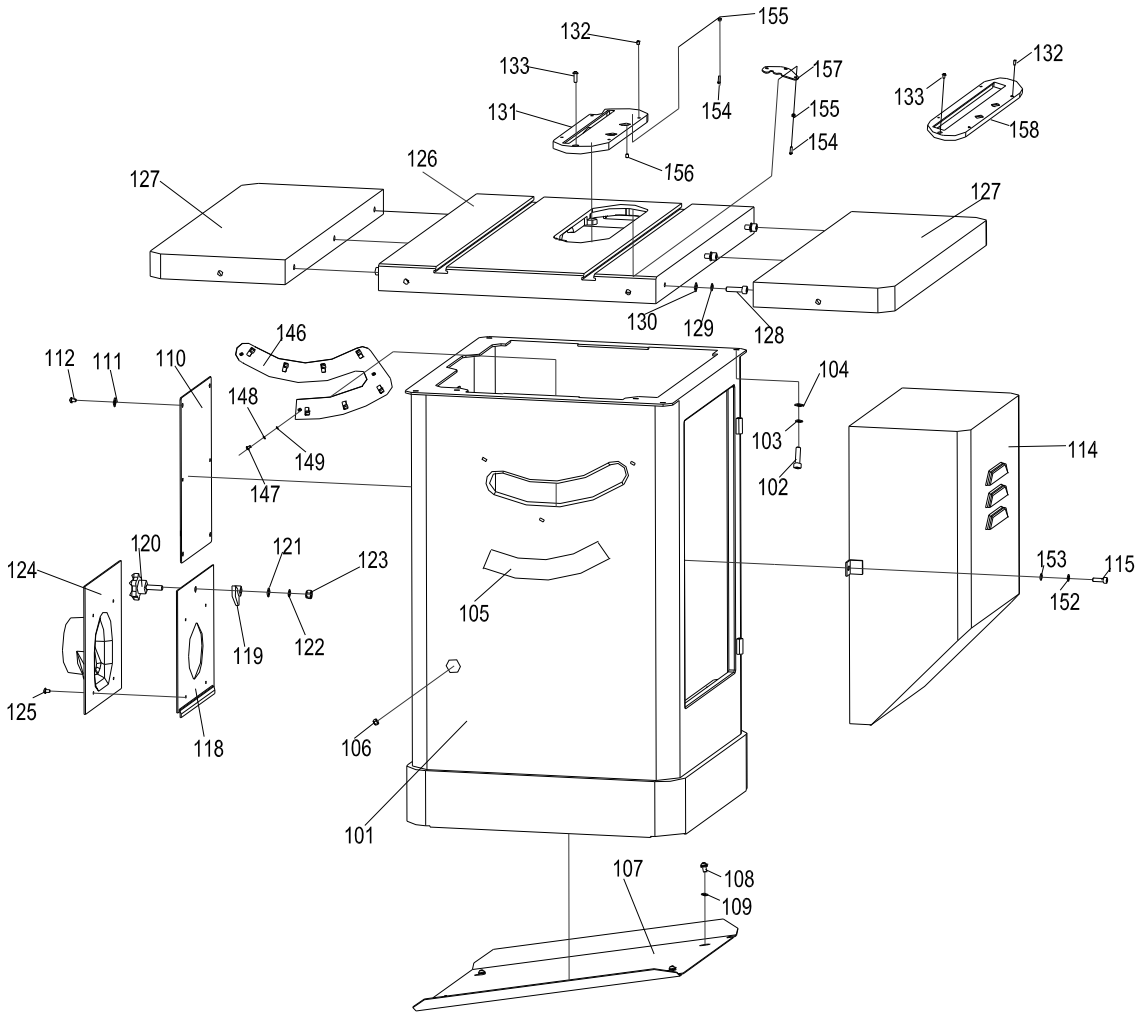
1. Wrong blade for the job.

2. Over feeding the job.

3. Cutting painted wood or abrasive material.

PARTS LIST

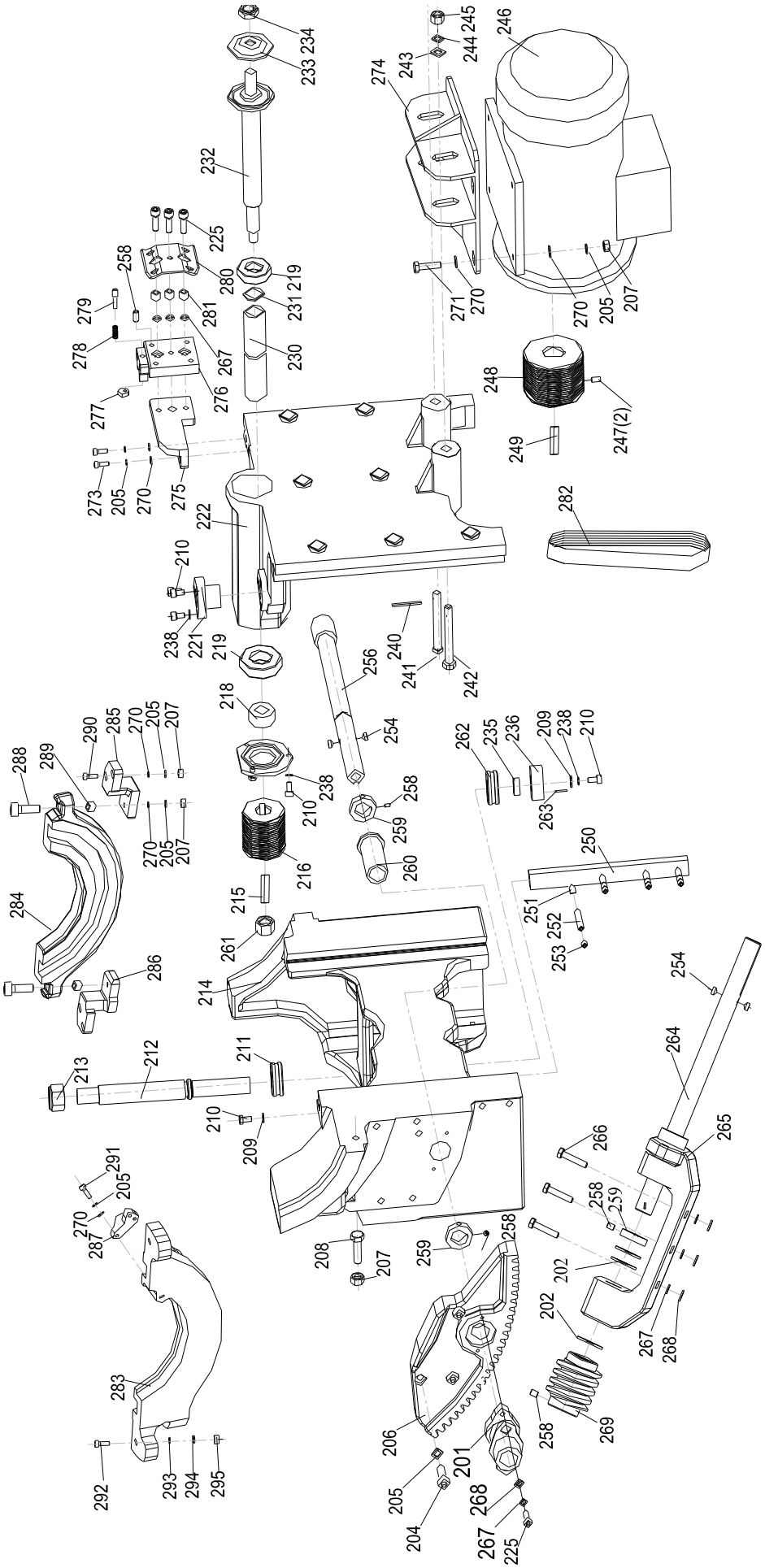
Table Saw Body Breakdown



REF#	DESCRIPTION	QTY
101	CABINET	1
102	CAP SCREW	4
103	ELASTIC WASHER	4
104	FLAT WASHER	4
105	ANGLE SCALE	1
106	INSULATOR	1
107	CABINET PLATE	1
108	PAN HEAD SCREW	4
109	FLAT WASHER	4
110	BELT PLATE	1
111	PAN HEAD SCREW	6
112	FLAT WASHER	6
114	MOTOR COVER	1
115	CAP SCREW	1
118	CLEANOUT DOOR	1
119	DOOR LATCH	1
120	KNOB	1
121	FLAT WASHER	1
122	ELASTIC WASHER	1
123	NUT	1
124	DUST HOOD	1
125	PAN HEAD SCREW	4
126	TABLE	1
127	EXTENSION WING	2
128	CAP SCREW	6
129	ELASTIC WASHER	6

REF#	DESCRIPTION	QTY
130	FLAT WASHER	6
131	STD TABLE INSERT	1
132	SET SCREW	8
133	PAN HEAD SCREW	2
136	DADO TABLE INSERT	1
138	SCREW	4
139	SCUTCHEON	1
140	RIVETS FOR NAME OF	4
141	SHIPING STRIP	1
142	HEX HEAD BOLT	1
143	FLAT WASHER	1
144	ELASTIC WASHER	1
145	NUT	1
146	DUST CLIP	1
147	PAN HEAD SCREW	3
148	FLAT WASHER	3
149	ELASTIC WASHER	3
150	HOOK	3
152	ELASTIC WASHER	1
153	FLAT WASHER	1
154	PAN HEAD SCREW	5
155	NUT	5
156	SET SCREW M5X20	2
157	PLATE	1
158	DADO TABLE INSERT	1

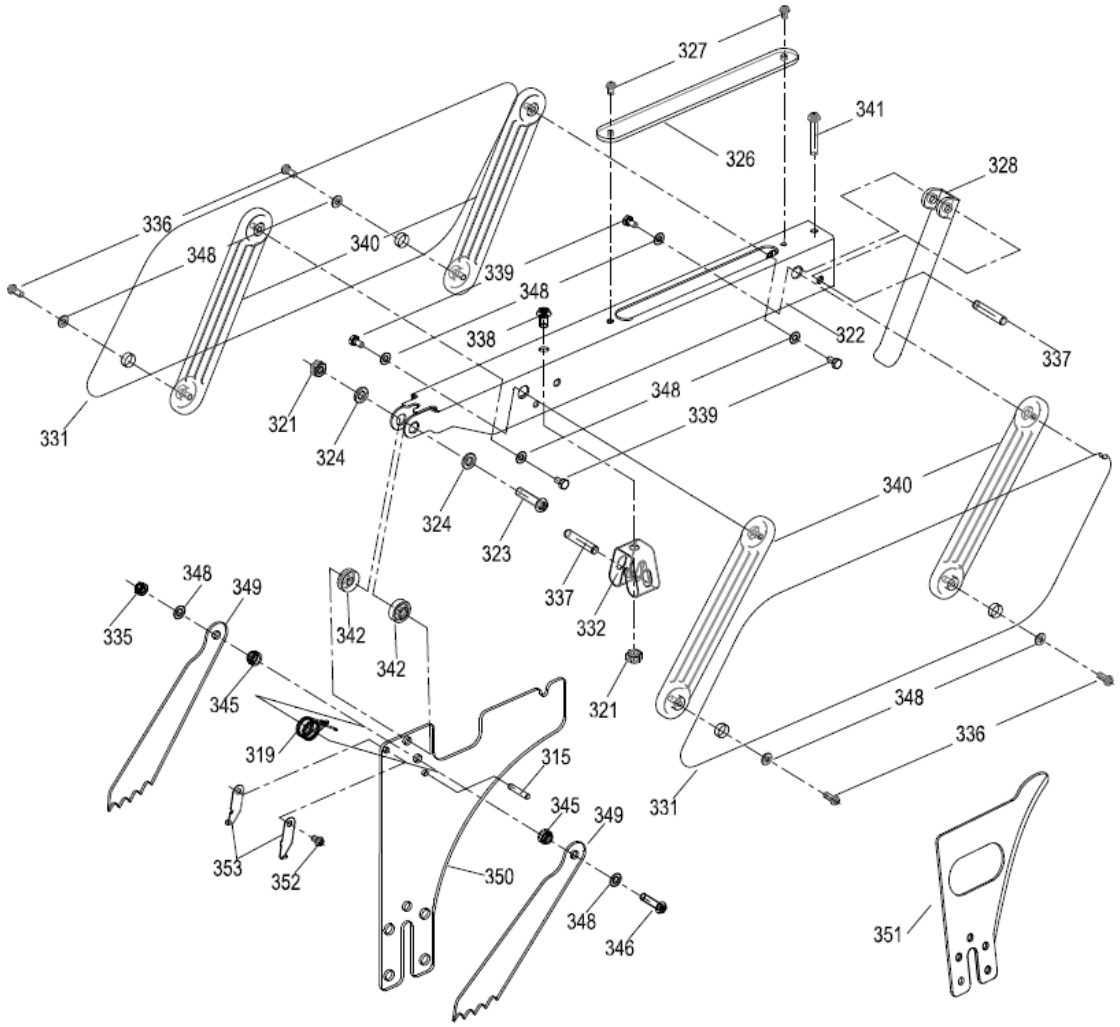
Trunnion Assembly Breakdown



REF#	DESCRIPTION	QTY
201	ANGLE POINTER BRACKET	1
202	COPPER WASHER 19	2
204	CAP SCREW M8x25	3
205	LOCK WASHER 8MM	15
206	WORM GEAR	1
207	NUT M8	12
208	HEX BOLT M8X30	2
209	FLAT WASHER 5	2
210	CAP SCREW M5x12	8
211	BEARING	1
212	SCREW BOLT	1
213	LOCK NUT M16X1.5	1
214	SWIVEL BOX	1
215	KEY	1
216	PULLEY	1
218	COLLAR	1
219	BEARING	2
221	NUT	1
222	RAISING BLOCK	1
225	CAP SCREW M6X20	8
230	HOOP	2
231	WAVE WASHER	1
232	BLADE ARBOR	1
233	ARBOR FLANGE	1
234	NUT	1
235	COLLAR	1
236	GEAR	1
238	LOCK WASHER 5MM	7
240	SPLIT PIN 4X28	1
241	ORIENTATION PIN	1
242	HEX BOLT M12X100	1
243	FLAT WASHER 12MM	1
244	LOCK WASHER 12MM	1
245	NUT M12	1
246	MOTOR	1
247	SET SCREW	2
248	PULLEY	1
249	KEY	1
250	BAR	1
251	BLOCK	4
252	SET SCREW M8X15	4

REF#	DESCRIPTION	QTY
253	SET SCREW M8X10	4
254	PIN LOCK SHAFT	4
256	PINION	1
258	SET SCREW M6X8	9
259	LOCK SPACER	3
260	COPPER HOOP	1
261	LOCK NUT M12X1.5	1
262	BEARING	1
263	KEY C5X10	1
264	SHAFT FOR WORM	1
265	SUPPORT BLOCK	1
266	HEX BOLT M6X30	3
267	LOCK WASHER6MM	8
268	FLAT WASHER 6MM	5
269	WORM	1
270	FLAT WASHER 8MM	10
271	HEX BOLT M8X35	4
273	CAP SCREW M8X20	2
(274)	MOTOR PLATE	1
275	BRACKET	1
276	SPLITTER ADJUST BLOCK	1
277	KNURLED KNOB	1
278	SPRING	1
279	PIN	1
280	SPLITTER TIGHTEN CLIP	1
281	SPACER	3
282	BELT	1
283	FRONT TRUNNION	1
284	REAR TRUNNION	1
285	LEFT BRACKET	1
286	RIGHT BRACKET	1
287	PLATE	1
288	HEX BOLT M8-1.25 X 35	2
289	ADJUST BOLT	2
290	CAP SCREW M8-1.25 X 30	4
291	CAP SCREW M8-1.25 X 20	2
292	CAP SCREW M10-1.5 X 30	2
293	FLAT WASHER 10MM	2
294	LOCK WASHER 10MM	2
295	HEX NUT M10X1.5	2

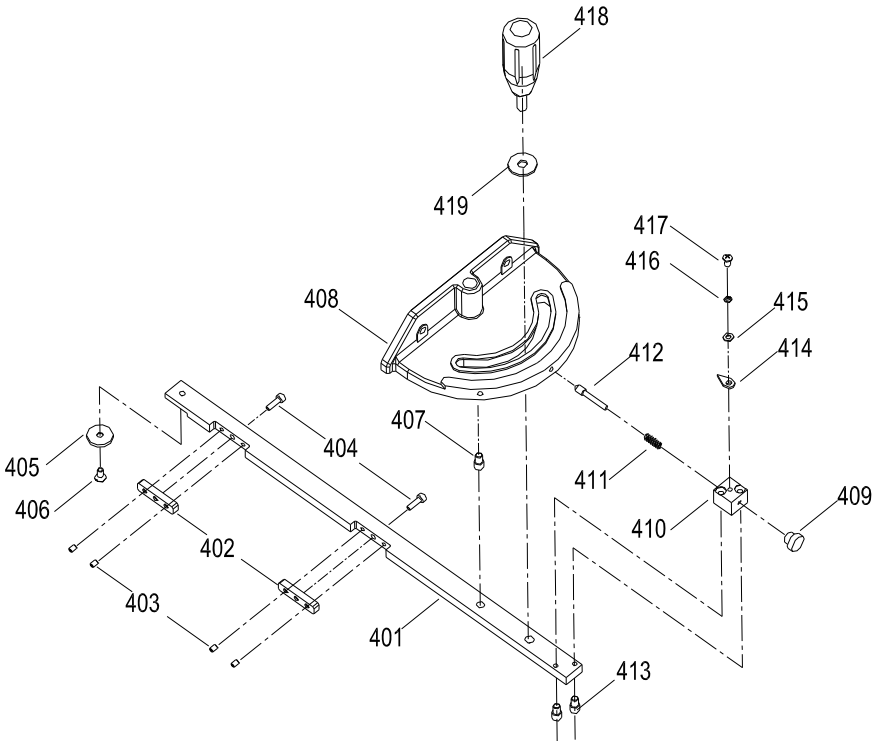
Blade Guard Breakdown



REF#	DERIPTION	QTY
315	ROLL PIN 4×20	1
319	TORSION SPRING	1
321	LOCK NUT M6-1	2
322	SUPPORTING ARM	1
323	PHLP HD SCR M6-1×25	1
324	FLAT WASHER 6MM	2
326	TOP GUARD	1
327	PHLP HD SCR M4-.7×6	2
328	FRONT GUARD	1
331	SIDE GUARD	2
332	SPRING REED	1
335	LOCK NUT M5-.8	1
336	PHLP HD SCR M4-.7×10	4
337	ROLL PIN 6×32	2

REF#	DERIPTION	QTY
338	PHLP HD SCR M6-1×10	1
339	HEX BOLT M4-.7×8	4
340	GUARD SUPPORT	4
341	PHLP HD SCR M6-1×30	1
342	SPACER	2
345	SPACER	2
346	PHLP HD SCR M5-.8×20	1
348	FLAT WASHER 5MM	10
349	PAWL	2
350	SPLITTER V1.01.09	1
351	RIVING KNIFE	1
352	M5-.8×8	1
353	RIVING KNIFE HOOK PLATE	1SET

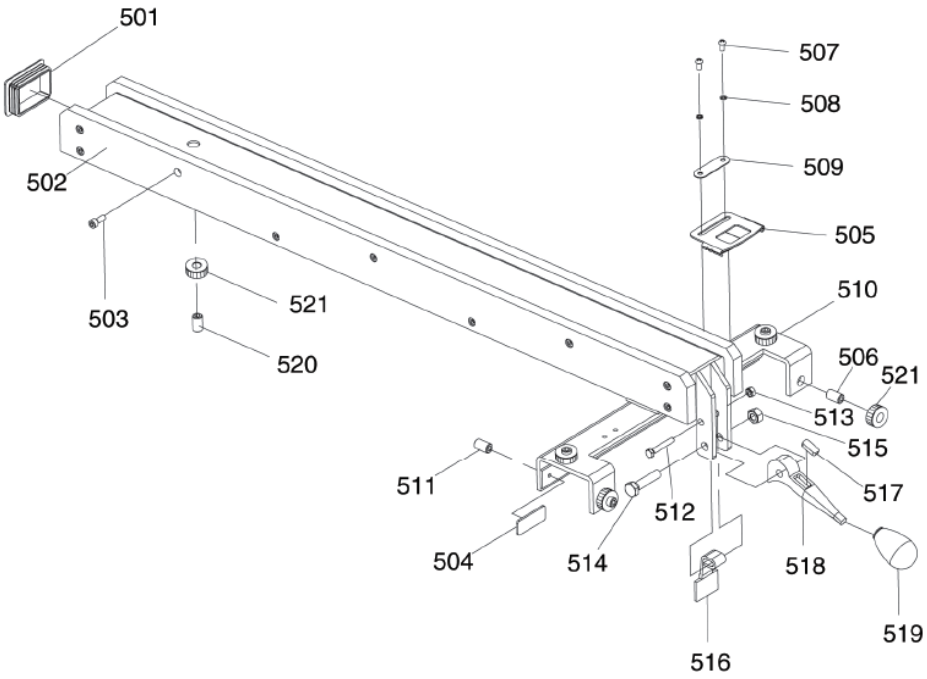
Miter Gauge Breakdown



REF#	DESCRIPTION	QTY
401	MITER BAR	1
402	GIB	2
403	SET SCREW M4-.7*6	4
404	CAP SCREW M4-.7*14	2
405	MITER RING	1
406	FLAT HD SCR M5-.8*8	1
407	MITER BODY PIVOT PIN	1
408	MITER GUAGE BODY	1
409	MITER STOP PIN KNOB	1

REF#	DESCRIPTION	QTY
410	MITER STOP PIN BLOCK	1
411	COMPRESSION SPRING	1
412	MITER STOP PIN	1
413	CAP SCREW M4-.7*14	2
414	POINTER MITER GUAGE	1
415	FLAT WASHER 4MM	1
416	LOCK WASHER 4MM	1
417	PHLP HD SCR M4-.7*8	1
418	MITER KNOB	1
419	FENDER WASHER 10MM	1

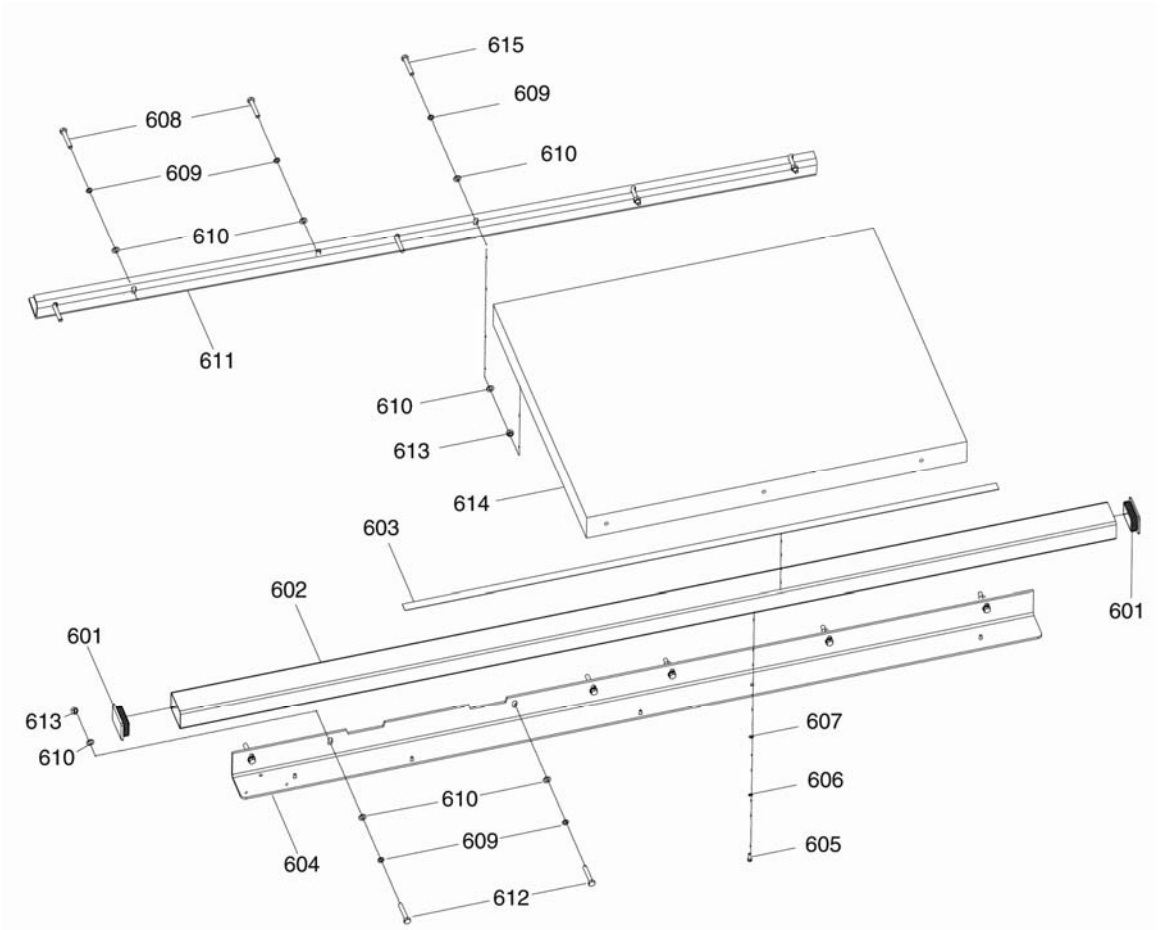
Fence Breakdown



REF#	DESCRIPTION	QTY
502	FANCE FACE	2
503	CAP SCREW M6-1*16	18
504	GLIDE PAD	2
505	FENCE SCALE WINDOW	1
506	SET SCREW M12-1.75*15	4
507	PHLP HD SCR M5-.8*10	2
508	LOCK WASHER 5MM	2
509	INDICATOR	2
510	FENCE BODY	1
511	SET SCREW	2

REF#	DESCRIPTION	QTY
512	HEX BOLT M6-1*40	1
513	LOCK NUT M6-1	1
514	HEX BOLT M10-1.5*45	1
515	LOCK NUT M10-1.25	1
516	CAM FOOT	1
517	MAGNET	1
518	CAM	1
519	FENCE LOCK KNOB	1
520	SET SCREW M12-1.75*30	1
521	SPECIAL LOCKING NUT M12-1.75	4

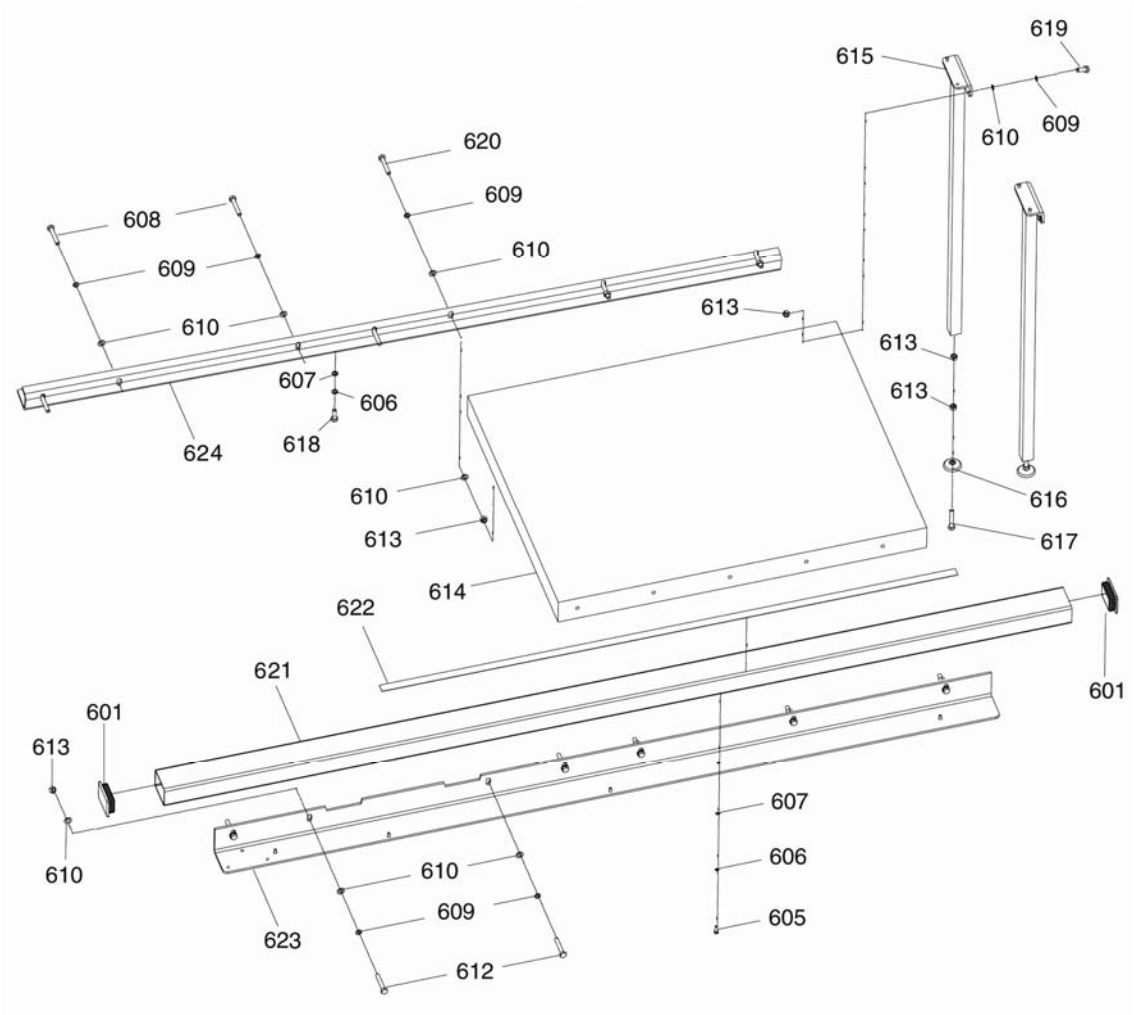
30”Rail & Extension Table Breakdown



REF#	DESCRIPTION	QTY
601	INSERT FENCE	2
602	GUIDE TUBE	1
603	SCALE	1
604	FRONT RAIL	1
605	CAP SCREW M6-1*16	5
606	LOCK WASHER 6MM	13
607	FLAT WASHER 6MM	13
608	HEX BOLT 5/16-18*1-1/2	2

REF#	DESCRIPTION	QTY
609	LOCK WASHER 8MM	22
610	FLAT WASHER 8MM	34
611	REAR RAIL	1
612	HEX BOLT M8-1.25*40	6
613	HEX NUT M8-1.25	18
614	TABLE BOARD	1
615	HEX BOLT M8-1.25*30	3

50”Rail & Extension Table Breakdown



REF#	DESCRIPTION	QTY
601	INSERT FENCE	2
605	CAP SCREW M6-1*16	5
606	LOCK WASHER 6MM	13
607	FLAT WASHER 6MM	13
608	HEX BOLT 5/16-18*1-1/2	2
609	LOCK WASHER 8MM	22
610	FLAT WASHER 8MM	34
612	HEX BOLT M8-1.25*40	6
613	HEX NUT M8-1.25	18
614	TABLE BOARD	1

REF#	DESCRIPTION	QTY
615	LEG	2
616	FOOT	2
617	HEX BOLT M8-1.25×60	2
618	CAP SCREW M6-1*16	6
619	CAP SCREW M8-1.25*20	4
620	HEX BOLT M8-1.25*30	3
621	GUIDE TUBE	1
622	SCALE	1
623	FRONT RAIL	1
624	REAR RAIL	1

LIMITED WARRANTY

New woodworking machines sold by Laguna Tools carry a one-year warranty effective from the date of shipping. Laguna Tools guarantees all new machine sold to be free of manufacturers' defective workmanship, parts and materials. We will repair or replace, without charge, any parts determined by Laguna Tools, Inc. to be a manufacturer's defect. We require that the defective item/part be returned to Laguna Tools with the complaint. In the event the item/part is determined to be damaged due to lack of maintenance, cleaning or misuse/abuse, the customer will be responsible for the cost to replace the item/part, plus all related shipping charges. This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, lack of or inadequate dust collection, misuse/abuse or damage caused where repair or alterations have been made or attempted by others.

Laguna Tools, Inc. is not responsible for additional tools or modifications sold or performed (other than from/by Laguna Tools, Inc.) on any Laguna Tools, Inc. woodworking machine. Warranty maybe voided upon the addition of such described tools and/or modifications, determined on a case-by-case basis.

Normal user alignment, adjustment, tuning and machine settings are not covered by this warranty. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided by the manufacturer.

Parts, under warranty, are shipped at Laguna Tools, Inc.'s cost either by common carrier, FEDEX ground service or a similar method. Technical support to install replacement parts is primarily provided by phone, fax, e-mail or Laguna Tools Customer Support Website. The labor required to install replacement parts is the responsibility of the user.

Laguna Tools is not responsible for damage or loss caused by a freight company or other circumstances not in our control. All claims for loss or damaged goods must be notified to Laguna Tools within twenty-four hours of delivery. Please contact our Customer Service Department for more information.

Only new machines sold to the original owner are covered by this warranty. For warranty repair information, call 1-800-332-4094.

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